

**PAT-NO:** JP02000331663A  
**DOCUMENT-IDENTIFIER:** JP 2000331663 A  
**TITLE:** SEPARATOR, AND ELECTROLYTIC  
CAPACITOR, ELECTRIC DOUBLE  
LAYER CAPACITOR, NONAQUEOUS  
BATTERY USING THE SEPARATOR  
**PUBN-DATE:** November 30, 2000

**INVENTOR-INFORMATION:**

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**INT-CL (IPC):** H01M002/16 , H01G009/02

**ABSTRACT:**

PROBLEM TO BE SOLVED: To provide a novel separator with new through holes as ion passage that do not exist when the separator is formed by dissolving and removing material contained in the

separator after forming the separator to make the separator porous, and provide an electrolytic capacitor, an electric double layer capacitor, and a nonaqueous battery using the separator.

SOLUTION: A separator for an electronic part functions after impregnated with an electrolyte. The separator is formed containing a material soluble into the electrolyte. The material in the separator is dissolved into the electrolyte after the separator is impregnated with the electrolyte. Since the separator is formed containing a material soluble into the electrolyte, the material existing in the separator maintains the density of the separator before the impregnation. The electrolyte dissolves the material in the separator to make the separator porous and to form through holes as ion passages 5 after the impregnation.

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